Specification

nexMart CSV 2.0

Field description of CSV 2.0 format for orders and order acceptances

Date	Version	Author	Amendment

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1. Structure in principle

We completed some line declarations to the already existing lines (Header and position lines) of the CSV 1.0 document. Please note that head and position lines still are obligatory – all other lines are optional.

All lines start with a declaration consisting of three numbers in order to characterise the line.

1.1. Basic Element (obligatory)

Declaration	Description
HDR	Header
POS	Position line

1.2. Extentions (optional)

Declaration	Description
ADR	Address line
TXT	Text/ note
REF	Additional information referring the line above
QNT	Qualification of a quantity quotation
PRI	Quotation and qualification of a monetary value
CON	Quotation of additional settings of positions

1.3. Conventions

General agreement	**Notation for Float fields (Float, 3 signs after decimal separator)**
	Decimal separator: "." (dot)
	No further grouping patterns
	Example: 1000.000 (in words: „one thousand dot zero")

Convention to CSV format	**Separator**
	The character for separator is **";"** (Semikolon, ASCII $_{hex}$ 0x3B)
	No other separator is allowed.

Convention about character encodings	**Character encoding**
	The character encodings US-ASCII, UTF-8, UTF-16 (Little Endian and Big Endian) and Windows-1252 are supported. ISO-8859-1 is also supported when no control characters (U+0080 to U+009F) are used.

2. Automated order process via nexMart

2.1. Order process and collection of raw data

An automated order process via nexMart starts after having placed an order,

- Manually (import of data)
- After occurrence of a certain event (event-controlled) or
- controlled by time (batch-controlled)

with collecting the raw data within your ERP system.

In order to place an order on nexMart certain information are necessary. This fields which are mandatory are marked.

In the best case all further data necessarily for the process will be completed automatically from the information deposited on nexMart. This information can be data of delivery address or other relevant references (e.g. your supplier-specific customer number).

In case you wish to use further functions at nexMart additonal information of your ERP system necessary.

This relates for example:

- An alternative delivery address
- Kind of delivery,
- Desired delivery date & time,
- Your own order number,
- Additional order text.

2.2. Preparation of data

If data are not available in a standardized format data will be edited according to one of the following formates:

- XML (openTRANS, SAP-XML, own standard)
- CSV (own standard)
- ASCII (own standard, BOSCH Extranet)
- EDIFACT

Detailed information referring other data formats can be find in following documents. This (always updated) specifications can be downloaded under: www.nexMart.de, ERP downloads.

Automated orders will be lead to the purchasing level at first. In order to be assure this allocation it is obligatory to indicate your personal user dates (e.g.: customer number and user name - but not the password) within your order dates.

Processed orders are listed under „Portal “-› „order center“ .

2.3. Configuration of the connection

After selecting the medium of transmission this will be configurated and initialized.

Herefore, actually we offer the choice of the following protocols:

- Email
- FTP
- http(s)

The dates of communication have to be installed and have to be deposited on the ERP system.

If you should use the element Email, the order will be send to

- *basket@nexmart.de* (Germany)
- *basket@nexmart.at* (Austria)
- *basket@nexmart.ch* (Switzerland)
- *basket@nexmart.es* (Spain)
- *basket@nexmart-global.net* (NL/BE/LU/Global)

The order will be shown within the menu bar under Portal | order center. Here it is possible to delete the order, to transfer the order into the shopping basket and after all to send it to the supplier.

This (half)-automated way of ordering represents the preliminary stage of the so called SilentCommerce. Thus you can check if your order is complete and without errors and furthermore it deliver an insight into functions of nexMart at the same time.

After a short test period you only adjust the addressee of you order to *silent@nexmart.de*, *silent@nexmart.at* , *silent@nexmart.ch*, *silent@nexmart.es*, *silent@nexmart-global.net*

From now on the order process is fully automatic.

No more need to access or other interventions.

It’s so easy to handle!

Comment about mail-orders: Because of increasing problems with spam, nexMart integrated some mechanism to avoid spasm. For that reason some versions of transmission could cause problems:

1. Mails send by a dial-up connection (e. g. analog modem)
2. Mails from not identified mail-servers.

In this cases, the orders will not be accepted by the nexMart or businessMart mail-server. If you recognize related problems, please contact the nexMart helpdesk (+34 902 30 92 92)

Please make sure that you send your order as an attachment. It is not possible to send the order in the e-Mail body.

If you should prefer the transmission way FTP we require some information in order to configure your FTP Account. Those are:

- Company
- Level of automation (half or fully automated)
- Email address for confirmation of order (in case of no transmission in field H29)

If you should desire to receive the confirmation of order via FTP please note that in your enquiry. Otherwise please get in contact with us therewith we can send you all necessary connection data.

For an installation of http(s) and other connections please get directly in contact with us.

2.4. Transmission of data

As soon as the connection is established data will be transmitted through the favorite medium. Hereby the files are usually protocolled with:

- Send-status,
- MessageID,
- Date,
- Numbers of blocks
- And other identification (e.g. transaction numbers)

2.5. Work steps

(1) The ERP system generates a list which will be stored as e.g. table in a database or as flatfile (ASCII) on a local file system.

(2) Within certain time intervals (batch-controlled) or as result of a certain events (event-controlled) the ERP system will be told to process a data-transmission to nexMart.

(3) The content of the table (a flatfile) will be imported and converted into one of the standardized or nexMart-compatible formates and the header will be generated. An

unique code will be inserted to the header (field H3) and stored as a file.

(4) Afterwards an Email with the particular country domain e.g. basket@nexmart.de will be generated and the file will be send as an attachment. Another possibility is to store the file into the folder “orders” on your FTTP Account.

2.6. Import of returning order confirmations

The order confirmation returns from nexMart in the same standardized data file of the order and the medium of transmission. Notwithstanding you can choose between Email and FTP for returning the message while using the transmission way on FTP.

In the next step these will be processed by reference, enrichment or aggregation on the data level. At this point the information returned is assigned to the initiating order and the status returned of each position. Further rules (Business Rules) can be integrated, e.g. depositation of other alternatives. As data are now available in the ERP system structure they are stored automatically at the corresponding places.

2.7. Illustration of returned information to nexMart

In order to make the results visible to the responsible person the information gained are edited and issued on a graphical user interface (GUI). Now you can see the status of your online-order in a common way of your ERP system display surface.

3. Field definitions

3.1. Header (HDR)

Please note that the header appear just once within the document.

Possible Sub-Declarations are:

» TXT (accompanying) text
» ADR Quotation of several addresses
» REF links to external references

Index	Field	Obligatory/ optional	Type	Description
H1	Line type	Obligatory	CONST "HDR"	Alphanumeric identification for the declaration of a header
H2	Document type	Obligatory	CONST "ORD"	The present document shows an order respectively an acknowledgment of order. The order and the acknowledgment of order can be identified through the type „ORD“.
H3	Version number	Obligatory	CONST "2.0"	Numerical constant which describes the version number
H4	Message-ID	Obligatory	CHAR [128]	The field is filled with an "Unique Key” from the generation system. This key is a unique, automatically produced key that avoids a double processing if data receive the target Host. In the simplest case this can be a String consisting of an IP address, date and time. The explicit value "NOID” describes that an identification of a duplicate is not desired. An empty field will be processed as an error. If no examination shall be done please define the constant “NOID”.
H5	Supplier	Obligatory	CHAR [35]	Here a description about the technical supplier is stored. This can be an alphanumeric value (technical seller name) or a number of 13 characters. A numeric value will be interpreted as an GLN.
H6	Customer ID	Obligatory	CHAR [13]	It will be differenced between alphanumeric and numeric numbers as well. The alphanumeric value starts with a “B”, followed by the abbreviation of the country “DE”,”AT”, or “CH” and a number of 6 characters. The numeric value with 13 characters will be interpreted as an GLN.
H7	Personalization	Optional	CHAR [35]	Here the user name is related with the nexMart Account. This means the value is obligatory if the description of the nexMart BuyerCompany (BDE) has been set in the field mentioned before (H6, Customer ID). The value consists of surname and last name separated through a dot. In this case the value pair (H6 + H7) is the login name for the portal.

H8	Customer number	Optional	CHAR [35]	The customer number consist of the following combination: the Customer ID (the ID the customer has from the supplier) and the element H9.
H9	Customer name	Optional	CHAR [35]	The value pair H8 and H9 is a reference of further data stored on the portal. The value pair is just relevant if several value pairs (supplier accesses) are stored within the field H5 of the defiened manufacturer.
H10	Order number	Optional	CHAR [250]	The order number declares the order identification in the generated system of the customer.
H11	Orderdate	Optional	DATETIME	Orderdate **Day** (Format: yyyyMMdd) **Calendar week** (Format: yy'W'ww) → **will be mapped on Monday** **Month** (Format: yyyy-MM) **will be mapped on the first day of the month** **Time** (Format: yyyy-MM-dd'T'HHmm) → **not available on nexMart; Format is accepted and will be mapped on the day** The interpretation of the time will be identified on the basis of the format. If the content of the field should not correspond to a defined sample, it will be rejected as incorrect.
H12	Terms of Transport	Optional	ENUM	Description of several delivery ways the supplier offer. The following options are possible: **NORML** Normal delivery - the goods will be send on the normal way in a standard time **EXPR** Express delivery – the goods will be send in an express way (also possible for incoming orders is “EXPRS”) **DDELD** desired delivery date – the delivery of goods take place on a special date **PICKUP** - pickup of the goods from the customer If the field should not be filled out the kind of delivery is automatically set as „normal delivery“ (default). **CONSI** Consignation – Articles are part of a special stock at the suppliers inventory **RELES** Release - The order will be taken out of a master agreement
H13*	Delivery date (from)	Optional	DATETIME [x]	The delivery date is just considered if a desired date of delivery is set in field H11. The date corresponding to ISO 8601 can be mapped out as follows: **Day** (Format: yyyyMMdd) **Calendar week** (Format: yy'W'ww) → **will be mapped on Monday** **Month** (Format: yyyy-MM) **will be mapped on the first day of the month** **Time** (Format: yyyy-MM-dd'T'HHmm) → **not available on nexMart; Format is accepted and will be mapped on the day**

				The interpretation of the time will be identified on the basis of the format. If the content of the field should not correspond to a defined sample, it will be rejected as incorrect. **→ is not in process from nexMart**
H14	Delivery date (until)	Optional	DATETIME [16]	Process of a time slot (just if a time slot is declared in the field H11) The formats are equal with element H12.
H15	Kind of delivery	Optional	CHAR [35]	Describes the way of delivery. **SELF** Pickup - the customer pick up the goods from a specific storage location **PACK** package - Delivery will be done through a delivery service **EXPR** Express – Express delivery (Courier) **LOGS** Freight forwarder - logistical execution from a forwarding company/ train **SPEC** Intra-company transportation. Delivery ocure through company´s means of transport. This option is supported just from some supplier.
H16	Name	Optional	CHAR [64]	Name of responsible person or responsible department **→ is not in process from nexMart**
H17	Name2	Optional	CHAR [64]	Further information referring the definition of the contact **→ is not in process from nexMart**
H18	Telephone	Optional	CHAR [32]	Telephone number **→ is not in process from nexMart**
H19	Fax	Optional	CHAR [32]	Fax number **→ is not in process of nexMart**
H20	E-Mail responsable person	Optional	CHAR [60]	E-Mail address from the responsible person (is important in order to send an error note) **→ nexMart kann derzeit nur eine einzelne Adresse verarbeiten**
H21	Flag foreign delivery note	Optional	CONST [TRUE]	Instruction that the delivery note must be printed with the data from the orderer within the header. **→ will be handed over but not shown or modified on nexMart**
H22	Flag complete delivery note	Optional	CONST [TRUE]	Note if the delivery is a complete delivery. If the delivery Flag is not set on TRUE it is assumed automatically that delivery can ocure as a complete but also as a partial delivery. **→ will be handed over but not shown or modified on nexMart**
H23	E-Mail order acknowledgement	Optional	CHAR [60]	E- Mail address in order to receive order acknowledgements from the portal. If this field should not be filled out, the E-Mail address of the responsible person will be used. **→ nexMart can proccess one address at the moment**

H24	Portal Ordernumber	Optional	CHAR [250]	Ordernumber given by the portal nexmart

3.2. Position line (POS)

It is possible that a position line can ocure 999 times. Please note that a position line must be available at least one time.

Possible Sub declarations are:

- QNT Declaration of units
- CON Additional settings on positions
- PRI Quotation of prices
- TXT accompanying text
- REF links to external references

Index	Field	Obligatory/ optional	Type	Description
P1	Line type	Obligatory	CONST “POS”	Introduce a position line
P2	Status (nexMart)	Optional	ENUM	This value will be filled while processing. If the field should be filled out the content will be ignored respectively deleted. The status will be set from nexMart during the day (if an ERP connection is available). A blank within this line stands for an unprocessed position. Within the detail the follwing status is shown: **0** Article is available **1** Article is partly available **2** Article is not available **3** No information possible **4** No connection to supplier **5** Not bookable **7** An error ocured while processing
P3	Position number	Obligatory	CHAR [50]	By means of this information, links will be built up for all following transactions. Unique identification within the position of a document.
P4	EAN Code	Optional	CHAR [13]	The EAN Code is the leading ID in order to identify the product on the portal. Alternatively this information can be filled in the field P5 as a manufacturer article number. Please note that this field is necessary in order to find a product.
P5	Article number	Optional	CHAR [20]	This is the article number from the supplier. If the field P4 is not filled out please note that this field must contain aninformation.

P6	Catalogue reference	Optional	CHAR [20]	Catalogue article number from the supplier. **→ is not in process from nexMart**
P7	Catalouge number	Optional	CHAR [50]	Number/ Description/ Version of the supplier catalogue corresponding field P6. **→ is not in process from nexMart**
P8	Quantity	Obligatory	FLOAT [8.3]	Number of requested articles.Please note that a decimal separator (a comma “,”) and decimal places are omitted on whole-numbered values. Group-separators (with 1000 characters) are NOT allowed.
P9	Date of delivery	Optional	DATETIME [x]	Date the articles must be delivered (Consisting of: Day, Calender Week or Month). If the field is filled out • equivalent header information will be signed over • the desired delivery date (DDELD) will be set Valid formats are listed under H12.
P10	Order number (supplier)	Optional	CHAR [250]	This field is filled out with the order number from the supplier. While storing the order in the ERP system this field comes into operation and just plays a role for received order acknowledgements. Please note that the content will be ignored.
P11	Flag free positions	Optional	CONST [TRUE]	If it is not possible to liquidate a position in the catalogue on the portal nor in the manufacturer ERP system, a flag will be set because this is a free position. This flag is up on all customers with individual article claim data from the supplier. **→ This field is not in process – just relevant for the order acknowledgment.**
P12	Flag minimum quantity	Optional	CONST [TRUE]	This field is used in order to revoke the standard packaging size. Please note that this option is just supported from some supplier. **→ is not in process from nexMart**
P13	Flag sub position	Optional	CONST [TRUE]	If the value TRUE is set this POS line will be interpreted as a sub position and allocated to the leading position, limited to the following fields: Position number (P3), quantity (P8) and date of delivery (P9). Should the quantity of the leading position and quantity sums of all sub-positions be differt the process will be chanceled. Lines describing additional data (e.g. text (TXT)) will be ignored. The number of sub positions is restricted on five positions. Further lines will be ignored.

				→ is not in process from nexMart

3.3. Amplified line types (CSV 2.0)

3.3.1. Address (ADR)

» Frequence within the header line: 0 .. 6 times
» Repetition per reference type: 1 time
» Specific features: multiple repetitions will be ignored – just the first declaration will be proccessed.

Index	Field	Obligatory/ optional	Type	Description
A1	Line type	Obligatory	CONST "ADR"	Declare the line as a description of an address line.
A2	Reference type	Obligatory	ENUM	Contents can adopt the following characteristics: This lines always refers to the forego header or position line. **SND** Address of sender (orderer) **RCV** Address of receiver (manufacturer/ supplier) **FIN** Address of the end customer **INV** Invoice address **DEL** Delivery address **LOC** Versandtort
A3	Designator	Obligatory	CHAR [64]	Can be the name of the receiver or an GLN with 13 characters.
A4	Name2	Optional	CHAR [64]	Just if the field A3 contain no GLN
A5	Name3	Optional	CHAR [64]	
A6	Street	Optional	CHAR [64]	Street and number
A7	Zip Code	Optional	CHAR [5]	Zip Code
A8	Town/ City	Optional	CHAR [64]	Town/ City
A9	Country	Optional	ENUM	Country code (ISO 3166)

Addresses of one-time-delivery must have the following fields filled (due to processes): A3, A6, A7, A8, A9

3.3.2. Text (TXT)

» Frequence within the header line and position line: 0 ... 6 times
» Repetition per reference type: 1 time

Index	Field	Obligatory/ optional	Type	Description
T1	Line type	Obligatory	CONST "TXT"	Declares the line as a note.
T2	Reference type	Obligatory	ENUM	This lines always refers to the forego header or position line. The text can be interpreted as follows: **CMS** Commission text **RCV** Text is intended for the receiver (in this case the manufacturer/ supplier) **DEL** Notes for the article receiver (notes for stock receipts) **SVC** News for nexMart **DSC** Description of the article shown in the position line **SEN** Comment from supplier to sender. The comment is based on informations out of the erp-System and will be writen in the orderresponse to the dealer. **→ The line type SVC is just valid for the header line**
T3	Text	Obligatory	CHAR [1024]	Free field in order to write down a text

3.3.3. Reference (REF)

» Frequence per header and position line: 0 .. 7 times
» Repetition per reference type: 1 time
» Specific features: position data describing the header data

Index	Field	Obligatory/ optional	Type	Description
R1	Line type	Obligatory	CONST "REF"	Declares the line as an external reference.

R2	Reference type	Obligatory	ENUM	This line always refer to the forego header and position lines. The content can be as follows: **MSG_FC** Order number in the system of the customer **CST_FC** Customer number of end customer from the manufacturer **OBJ** Object number **CHG** Charge number **SUP_FC** Supplier declaration of the orderer to the end customer **ART** Reference referring article numbers in the system from the orderer. **ART_FC** Link in order to identify the article at the end customer **CBHF** states that sth. reference to a configurable shopping basket case field.
R3	Text	Obligatory	CHAR [64]	Field in order to absord the value If the reference type CBHF is marked in field R2 please note that the name of the CBHF must be filled in and must be identical with the one configured in BOO.
R4	Text	Optional	DATETIME [16]	In correspondance with the field MSG FC this field (R4)contain the order date. In connection with the reference type CBHF the value of the field is in text form. The verification of the field will be done by eMart by means of a configuration.

3.3.4. Quotation of prices (PRI)

- Frequence within header and position line: 0 .. 6 times
- Repetition per reference type: 1 time
- Specific features: This line just will be filled out from the supplier in order to inform about the processing result. Inputs whileordering will be ignored.

Index	Field	Obligatory/ optional	Type	Description
M1	Line type	Obligatory	CONST "PRI"	Describes the following information as monetary allegation.
M2	Reference type	Obligatory	ENUM	**PCE** Single price SUM positions- / or total sum **PER_INC** percentage surchage **PER_DEC** percentage markdown

				ABS_INC absolute surchage **ABS_DEC** absolute markdown
M3	Value	Obligatory	FLOAT[8.3]	Values (all values besides SETU – in this case the quantitative allocation of the position line (QUANTITY) will be related)
M4	Currency	Optional	ENUM see appendix	**→ is processed just on header line from nexMart**

3.3.5. Declaration of quantity units (QNT)

- Frequence within position line: 0 .. 4 times
- Repetition per reference type: 1 time
- Specific features: If the reference type is MTRC (metrical measurement) this declaration can repeat three times.

Index	Field	Obligatory/ optional	Type	Description
U1	Line type	Obligatory	CONST "QNT"	Describes the definition of quantity
U2	Reference type	Obligatory	ENUM	**SETU** ordered unit MTRC measurement unit **LOGT** packaging unit / packaging size **PRIC** price unit / quantity price **→ is not in process from nexMart**
U3	Reference size	Obligatory	x	Content of this field is the relation of the quantity quotation which belongs to the position field P8. Depending from the reference type the following values are given: Ordered unit (see appendix) Metrical unit (see appendix) Packaging size of numerical values ›0: e.g. 100 = 100 pieces per package Price unit: Price per size/ absorbance exponent e.g. PE2 = price per hundred

3.3.6. Additional settings on positions (CON)

- Frequency within position line: 0 .. 5 times
- Repetition per reference type:
  - Referring COLOR: 1 times
  - Referring CONDIT: 4 times

Index	Field	Obligatory/ optional	Type	Description
C1	Line type	Obligatory	CONST "CON"	Describes a definition of additionally settings.
C2	Reference type	Obligatory	ENUM	**COLOR** Definition of colures **CONDIT** A condition in which a line type can occur several times per position
C3	Code	Obligatory	CHAR[64]	This field can contain an alphanumeric value as a reference for a setting on a position e.g. color identification
C4	Text	Obligatory	CHAR[64]	Additional information referring a characteristic.
C5	Charge	Obligatory	CHAR[64]	States a charge that corresponds to a characteristic. E.g. the charge of a color of one position.

4. An example of a structure

Header line:

HDR;ORD;2.0;269;tequip;999999999;Jens.Stahl;9009;Stahl;1561;20050101;EXPR;2005-12;2005-12;PACK;;;;;;;true;jens.stahl@muster.de;

ADR;SND;9999999999999;Stahl GmbH;Stahl;Musterstr. 14;70000;Musterstadt;DE;

TXT;DEL;Accounting is made as agreed;

REF; MSG_FC;Order accepted;20051120;

Position level:

POS; ;001;1234567891234;11101;101;12b;150;20051123;8001; ; ; ;

QNT;SETU;PCE;

CON;COLOR;A658C7;grey;Z564;

PRI;PCE;1000;EUR;

TXT;DSC;Description of the article listet in the position line;

REF; ART_FC;Z926D98;;

4.1. Header level

4.1.1. Header line (HDR) – Obligatory

HDR;ORD;2.0;269;tequip;BDE999999;Jens.Stahl;9009;Stahl;1561;EXPR;2005-12;2005-12;PACK;;;;;;;true;jens.stahl@muster.de	M

	M	M	M	M	M	M	K	K	K	K	K	K	K	K	K	K	K	K	K	K
	the responsible	Document type	Version number of CSV	Message ID	Supplier name	Manufacturer ID / GLN	Login name	Customer number	Customer name	Order number	Orderdate	Supplier	Deliverydate from	Deliverydate until	Kind of transport	Contact data from the responsible person	Flag Complete delivery	E-Mail for order acknowledgement	Portal Ordernumber
	H1	**H2**	**H3**	**H4**	**H5**	**H6**	**H7**	**H8**	**H9**	**H10**	**H11**	**H12**	**H13**	**H14**	**H15**	**H16-21**	**H22**	**H23**	**H24**

4.1.2. Address line (ADR) - Optional

ADR;SND;9999999999999;Stahl GmbH;Stahl;Musterstr. 14;70000;Musterstadt;DE;									**K**
Declaration of the address line	Reference, orderer address	Name/GLN of receiver	Additional name	Additional name	Street and number	Zip code	Town	Country, Country Code (ISO 3166)	Address line is optional. If this line should be used the elements A1 (line type), A2 (reference type) and A3 (identifier) are obligatory and must be filled out. The remaining elements in this line are optional and can be filled out. Addresses of one-time-delivery must have the following fields filled (due to processes): A3, A6, A7, A8, A9
M	M	M	K	K	K	K	K	K	
A1	A2	A3	A4	A5	A6	A7	A8	A9	

4.1.3. Text (TXT) - Optional

TXT; DEL; Accounting is made as agreed;				**K**
Declaration of the line	Reference DEL = note for the receiver	Text, note	The text line is optional. If the line should be used the elements T1 (line type), T2 (reference type) and T3 (text) are obligatory and must be filled out.	
M	M	M		
T1	T2	T3		

4.1.4. Reference (REF) – Optional

REF; MSG_FC; Order accepted;20051120;				**K**
Declaration of the line	Reference MSG_FC = order number from the supplier	Text, note	Order date	The reference line is optional. If the line should be used the elements R1 (line type), R2 (reference type) and R3 (text) are obligatory and must be filled out. The element R4 (text) is optional. The element R4 (Text) for additional information is optional unless R2 is not CHBF – otherwise field R4 is a mandatory field (see example 3.1.5).
M	M	M	K	
R1	R2	R3	R4	

4.1.5. Reference (REF) Example of commission number - Optional

REF; CBHF;Kommissionsnummer;1234567;				K
Declaration of the line	Reference CBHF= Ccommission number	Name identical with the configured name in BOO	Value of the field	The reference line is optional. If this line should be used elements R1 (line type), R2 (reference type) and R3 (text) are mandatory fields and must be available. The element R4 (text) for additional information is optional unless R2 is not CHBF - otherwise field R4 is a mandatory field.
M	M	M	M	
R1	R2	R3	R4	

4.2. Position levels

4.2.1. Position lines (POS) – Obligatory

POS; ;001;1234567891234;11101;101;12b;150;20051123;8001; ; ; ;												M
Declaration of the position line	Article status	Position number	Article – EAN Code	Article number	Catalogue article number	Catalogue number	Quantity	Date of delivery	Order number (supplier)	Flags		The position line is an obligatory line and must be available at least once. The elements P1 (line type), P3 (position number) and P8 (quantity) within the position line are obligatory and must be available for each position line. All other elements within the position line are optional.
M	K	M	K	K	K	K	M	K	K	K		
P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P13	

4.2.2. Quantity units (QNT) – Optional

QNT;SETU;PCE;			K
Declaration of spare parts	Reference SETU = quantity unit	Reference value PCE = pieces	The line quantity units are optional. If the line should be used the elements U1 (line type), U2 (reference type) and U3 (reference value) within the position line are obligatory and must be available. A list of all accepted quantity units can be seen in chapter 5.2
M	M	M	

U1	U2	U3	

4.2.3. Additional settings (CON) - Optional

CON;COLOR;A658C7;grey;Z564;					K
Declaration of additional settings	Reference. COLOR = Colour input	Colour code	Additional Information	Charge	The line additional settings are optional. If the line should be used the elements C1 (line type), C2 (reference type) and C3 (Code), C4 (text) and C5 (Charge) are obligatory and must be available.
M	M	M	M	M	
C1	C2	C3	C4	C5	

4.2.4. Price quotations (PRI) – Optional

PRI;PCE;1000;EUR;				K
Declaration of price line	Reference	Value	Currency	The line price quotations are optional. If the line should be used the elements M1 (line type), M2 (reference type) and M3 (Value) are obligatory and must be available. The element M4 (Currency) is optional. A list of all accepted quantity units can be seen in chapter 5.3
M	M	M	K	
M1	M2	M3	M4	

4.2.5. Text (TXT) - Optional

TXT;DSC; Description of the article listed in the position line;			K
Declaration of text line	Reference CSC = Description of the article	Text, note, Description of the article	The text line is optional. If the line should be used the elements T1 (line type), T2 (reference type) and T3 (text) are obligatory and must be available.
M	M	M	
T1	T2	T3	

4.2.6. Reference (REF) – Optional

REF; ART_FC;Z926D98;;				K
R1 Declaration of reference line	R2 Reference ART_FC = Link to an article identification for end customer	R3 Text, note, article identification	R4	The text line is optional. If the line should be used the elements R1 (line type), R2 (reference type) and R3 (text) are obligatory and must be available. The element R4 (text) is optional for additional information.
M	M	M	K	

5. Further examples

5.1.1. Short example

```
HDR;ORD;2.0;NOID;tequip;BDE000000;Markus.Muster;
POS;;0001;;0815-40;;;5;
POS;;0002;4000000000000;;;;1.250;
POS;;0003;4000000000003;0815-60;;;2;
```

Header line

The purchaser *Markus Muster* (corresponding to number ID *BDE000000)* orders three positions from the supplier *Tequip*.

Position lines

Markus Muster orders 5 times the first position of a product (ID *0001*) from Tequip (*0815-40*). The quantity unit will be identified while synchronizing the catalogue on the portal.

Within the second position 1,25 basic units of a product will be ordered which is declared *4000000000000* through the EAN Code. The allocations of quantity units also occur through the reference from the catalogue on the portal.

The third position contains an EAN code (see 2nd position) and a manufacturer article number (see 1st position). In this case an EAN Code will be processed preferably. If an EAN code is not known on the portal, a search for the data set (manufacturer article number) will be processed.

5.1.2. Example with extensions

```
HDR;ORD;2.0;MsgID;9876543210987;1234567890123;Jens.Stahl;MyCuNo;MyDesc;Orde
rNR;20050101;EXPR;
;;;Mister Münster;ASP Tequip;0123/4567;;mister.muenster@eisen.de;TRUE;TRUE;
ret@eisen.de;info@eisen.de;
ADR;INV;9876543210987;
TXT;DEL; Accounting is made as agreed;
POS;;0001;;0815-40;;;5;
QNT;SETU;PCE;
TXT;DEL;Please make an appointment with Mister Meier;
TXT;DSC;Spare part KR-45;
POS;;0002;4000000000000;;;;1.250;;;TRUE;;;
TXT;CMS;in case of a commission, all information would be listed here;
POS;;0003;4000000000003;0815-60;;;2;
REF;ART_FC;ForeignValue;
CON;COLOR;A1A1A1;Colour grey;Web-216-Palette
```

Header lines

In order to identify a company as well as the receiver of the goods an GLN (Global Location Number) is used. If an GLN is given, the number will be equalized in the portal. Now the order will be placed with the following information: BDE000000 (GLN: 1234567890123), supplier Tequip (GLN: 9876543210987).

In order to assure no double booking of an order, a message ID is set.

As Mr. Mustermann´s manager wants to distinguish all orders according to branches he has several customer numbers from Tequip. Mr. Mustermann allocates his order to the customer number of his branch now. Due to security reasons it is necessary to fill in a name because the data will be examined on the portal now. Just if this value pair has an unique reference on the portal (name must be stored on the portal) the order will be send to Tequip automatically.

The internal order number given while generating the order may not be missed.

As the purchase of the goods is urgent, the delivery must occur via express. Furthermore contact data of the responsible person will be send as well.

Furthermore the goods must be send as a package.

As the result of the transaction shall be process automatically on the portal, the Email address (*ret@eisen.de*) must be deposited. Additionally Mr. Mustermann wants to have a copy of the order acknowledgment as well into his personal account (*info@eisen.de*). The result contain the delivery address of the end customer with the complete address, an invoice address with an GLN (Presupposition: The reference must be deposited on the portal) as well as a notice on header level.

Position lines

First position will be initated with the POS line. In this case an unique reference will be processed in order to interpret quantity information on the QTY line. (Referring this example the quantity is ´pieces´) The text lines represent a notice corresponding a position for the receiver and a description of the article.

The second position starts with the next POS line contain a Boolean with the characteristic TRUE. Herewith the portal does not need to examine the article ID within the catalogue on the portal. The declaration of the position will be finished with commission information.

The third position has been extended about one external reference that represents an article number *ForeignValue* in the system of the end customer. Furthermore this position contains a line with a definition of a colour from the corresponding article.

6. Technical description

6.1. List of suppliers

In order to get an actual list of our suppliers, please take a look at www.nexmart.net in tab “Contact & Downloads”:

http://www.nexmart.net/en/kontakt-downloads/downloads/warenwirtschaft.html

6.2. Quantity unit list

Unit	Description	Measurment
CEN	Hundred	Packaging unit
CGM	Centigram	Weight
CLF	Hundred sheets	Packaging unit
CLT	Centiliter	Mass volume
CMK	Square centimeter	Space volume
CMQ	Cubic centimeter	Area
CMT	Centimeter	Length
CNP	100 packages	Packaging unit
DLT	Deciliter	Volume of mass
DMK	Square decimeter	Space volume
DMQ	Cubic decimeter	Area
DMT	Decimeter	Length
DPC	Dozen (piece)	Packaging unit
DPR	Dozen (pair)	Packaging unit
DRL	Dozen (role)	Packaging unit
DTN	Deci tonne	Weight
DZN	Dozen	Packaging unit
DZP	Dozen packages	Packaging unit
GRM	Gramm	Weight
HBX	100 Boxes	Packaging unit
HGM	Hectogram	Volume of mass
HLT	Hectoliter	Volume of mass
HMT	Hectometer	Space volume
KGM	Kilogram	Weight
KTM	Kilometre	Space volume

KTN	Carton	Packaging unit
LEF	Sheet	Packaging unit
LTR	Litre	Volume of mass
MGM	Milligram	Weight
MIL	Thousand	Packaging unit
MIO	Million	Packaging unit
MLT	Millilitre	Volume of mass
MMK	Square milimeter	Space volume
MMQ	Cubic millimeter	Area
MMT	Milimetre	Length
MTK	Square meter	Space volume
MTQ	Cubicmetre	Area
MTR	Meter	Length
NMP	Package	Packaging unit
NPL	Number of packages	Packaging unit
NPR	Pair	Packaging unit
NPT	Number of parts	Packaging unit
NRL	Number of roles	Packaging unit
PCE	Pieces	Packaging unit
SET	Set	Packaging unit
TNE	Tonne	Weight
TPR	10 Pair	Packaging unit

6.3. Currency list

Index	Field
AUD	Australian Dollar
BGN	Bulgarian Lev
CHF	Swiss Franc
CNY	Yuan Renminbi
CZK	Czech Krona
DKK	Danish Krone
EUR	Euro
GBP	British Pound
HUF	Hungarian Forint
LTL	Lithuanian Lita
LVL	Latvian Lat
PLN	Polish Zloty
RUR	Russian Rubel
SEK	Swedish Krona

SKK	Slovakian Krona
USD	US Dollar
ZAR	South African Rand